Wisconsin
Department of Commerce

Approval # 980017-U
(Replaces 920037-U)

Safety & Buildings Division
201 West Washington Avenue
P.O. Box 2689
Madison, WI 53701-2689

Wisconsin
Material Approval

Material	Sure-Check® Double Wall Aboveground Storage Tank
Manufacturer	Brown-Minneapolis Tank, A Division of ITEQ Storage Systems P.O.Box 64670 Saint Paul, MN 55164

SCOPE OF EVALUATION

The Sure-Check aboveground double wall storage tank manufactured by Brown-Minneapolis Tank has been evaluated in conformance with **s. ILHR 10.415(7)(b)** of the Wisconsin Administrative Flammable and Combustible Liquids Code.

DESCRIPTION AND USE

The Sure-Check tank is an aboveground double wall steel storage tank. It is available in either vertical or horizontal configurations with capacities up to 30,000 gallons. A built-in monitoring well is provided. The Sure-Check horizontal tank has a UL approved saddle and skid design.

TESTS AND RESULTS

Underwriters Laboratories, Inc. has tested and listed the tank in accordance with UL Standard 142. UL has also approved the saddle design.

LIMITATIONS OF APPROVAL

The Sure-Check double wall tank is approved for compliance with the secondary containment requirements of **ss. ILHR 10.415(7)(b)** and may be used without a dike, except in the case of public-access waste oil collection. Tanks for public-access waste oil collection shall be provided with a dike in accordance with **s. ILHR 10.33**.

Tanks up to 10, 000 gallons may be used for vehicle fueling in accordance with **s. ILHR 10.415**.

All tanks, regardless of capacity, shall have a minimum total wall thickness (heads and shells) of 7/16-inch. This is deemed sufficient to meet the projectile protection requirement of **s. ILHR 10.415(7)(b)**.

Double wall tanks with lesser wall thicknesses may be used inside a building without a dike subject to the requirements of **chapter ILHR 10** and **NFPA 30** and **31.**.

Compartmentalized tanks shall be constructed with a double bulkhead in accordance with UL Standard 142. This interstitial space between compartments shall be monitored for leaks.

A spill container shall be provided at the fill opening in accordance with **s. ILHR 10.415(12)(a)**.

Separate vehicle collision protection shall be provided by a barrier that meets the design requirements specified in **s. ILHR 10.415(8)(a)**.

No attachments shall be made to the tank which violate or void the UL listing.

The horizontal tank shall be installed to allow full visual inspection of the secondary containment system.

The vertical tank shall have the bottom sandblasted and coated with a corrosion resistant paint such as an STI-P3 coating. The tank shall be placed on a concrete or similarly impervious pad with an area large enough to fully support the entire tank bottom. Vacuum tightness testing shall be conducted by the owner in accordance with manufacturer's instructions at least annually after the tank is ten years old.

The interstitial space shall be monitored for leaks. The monitor must be capable of detecting a leak from anywhere in the inner tank.

The installer shall be certified by the department in accordance with **Ch. Comm 5**.

This approval will be valid through December 31, 2003, unless manufacturing modifications are made to the product or a re-examination is deemed necessary by the department. The Wisconsin Material Approval Number must be provided when plans that include this product are submitted for review.

DISCLAIMER

The department is in no way endorsing or advertising this product. This approval addresses only the specified applications for the product and does not waive any code requirement not specified in this document.

Reviewed by:_____

Approval Date:_____ By:_____

Duane D. Hubeler
Mechanical Code Consultant
Program Development Bureau

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